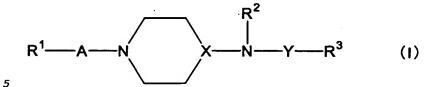
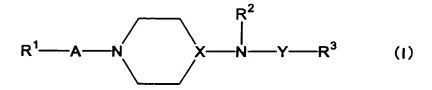
Claims

1. A neurotrophic factor production accelerator comprising, as an active ingredient, a compound represented by the following formula (I):



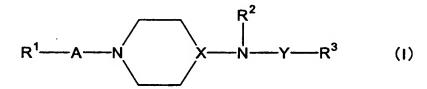
wherein R¹ is lower alkyl, aryl, ar(lower)alkoxy or a heterocyclic group, the above groups being optionally substituted by halogen, R² is a hydrogen atom or lower alkyl, R³ is cyclo(lower)alkyl, aryl or ar(lower)alkyl, the above groups being optionally substituted by halogen, A is -CO-, -SO₂- or lower alkylene, X is N or CH, and Y is -CO-, -SO₂- or -CONH-, a salt thereof, a prodrug thereof or a solvate thereof.

- 2. The accelerator of claim 1, wherein the compound represented by the formula (I) is N-(4-acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate.
- A method for accelerating neurotrophic factor production, which comprises administering, to a mammal, a compound
 represented by the following formula (I):



wherein R¹ is lower alkyl, aryl, ar(lower)alkoxy or a heterocyclic group, the above groups being optionally substituted by halogen, R² is a hydrogen atom or lower alkyl, R³ is cyclo(lower)alkyl, aryl or ar(lower)alkyl, the above groups being optionally substituted by halogen, A is -CO-, -SO₂- or lower alkylene, X is N or CH, and Y is -CO-, -SO₂- or -CONH-, a salt thereof, a prodrug thereof or a solvate thereof.

- 4. The method of claim 3, wherein the compound represented by the formula (I) is N-(4-acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate.
- 5. Use of a compound represented by the following formula (I):

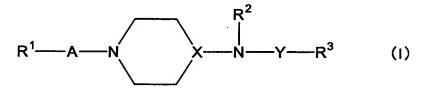


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wherein R¹ is lower alkyl, aryl, ar(lower)alkoxy, or a heterocyclic group, the above groups being optionally substituted by halogen, R² is a hydrogen atom or lower alkyl, R³ is cyclo(lower)alkyl, aryl or ar(lower)alkyl, the above groups being optionally substituted by halogen, A is -CO-, -SO₂- or lower alkylene, X is N or CH, and Y is -CO-, -SO₂- or -CONH-, a salt thereof, a prodrug thereof or a solvate thereof, for the production of a neurotrophic factor production accelerator.

- 6. The use of claim 5, wherein the compound represented by the formula (I) is N-(4-acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate.
- 7. A pharmaceutical composition for accelerating neurotrophic factor production, which comprises a compound represented by the following formula (I):

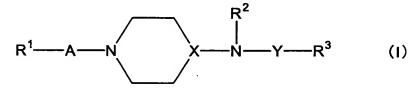


wherein R¹ is lower alkyl, aryl, ar(lower)alkoxy, or a heterocyclic group, the above groups being optionally substituted by halogen, R² is a hydrogen atom or lower alkyl, R³ is cyclo(lower)alkyl, aryl or ar(lower)alkyl, the above groups being

optionally substituted by halogen, A is -CO-, $-SO_2-$ or lower alkylene, X is N or CH, and Y is -CO-, $-SO_2-$ or -CONH-, a salt thereof, a prodrug thereof or a solvate thereof, and a pharmaceutically acceptable carrier.

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- 8. The pharmaceutical composition of claim 7, wherein the compound represented by the formula (I) is N-(4-acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate.
- 9. A commercial package comprising the pharmaceutical composition of claim 7 or 8, and a written matter associated therewith, the written matter stating that the pharmaceutical composition can or should be used for accelerating neurotrophic factor production.
- 15 10. An agent for the prophylaxis or treatment of a motor nervous system or peripheral nervous system disease, which comprises, as an active ingredient, a compound having a neurotrophic factor production accelerating activity.
- 20 11. The agent of claim 10, wherein the motor nervous system or peripheral nervous system disease is selected from the group consisting of a peripheral nerve disorder (neuropathy, diabetic nervous disease), myelopathy, multiple sclerosis, amyotrophic lateral sclerosis (ALS), Guillain-Barre' syndrome, Huntington's chorea and neuropathic pain.
 - 12. The agent of claim 10 or 11, wherein the compound having a neurotrophic factor production accelerating activity is a compound represented by the following formula (I):

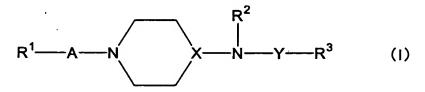


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wherein R1 is lower alkyl, aryl, ar(lower)alkoxy, or a

heterocyclic group, the above groups being optionally substituted by halogen, R² is a hydrogen atom or lower alkyl, R³ is cyclo(lower)alkyl, aryl or ar(lower)alkyl, the above groups being optionally substituted by halogen, A is -CO-, -SO₂- or lower alkylene, X is N or CH, and Y is -CO-, -SO₂- or -CONH-, a salt thereof, a prodrug thereof or a solvate thereof.

- 13. The agent of claim 12, wherein the compound represented by the formula (I) is N-(4-acetyl-1-piperaznyl)-p-fluorobenzamide monohydrate.
- 14. A method of preventing or treating a motor nervous system or peripheral nervous system disease, which comprises administering a compound having a neurotrophic factor production accelerating activity to a mammal.
- 15. The method of claim 14, wherein the motor nervous system or peripheral nervous system disease is selected from the group consisting of a peripheral nerve disorder (neuropathy, diabetic nervous disease), myelopathy, multiple sclerosis, amyotrophic lateral sclerosis (ALS), Guillain-Barre' syndrome, Huntington's chorea and neuropathic pain.
- 16. The method of claim 14 or 15, wherein the compound having a neurotrophic factor production accelerating activity is a compound represented by the following formula (I):



wherein R¹ is lower alkyl, aryl, ar(lower)alkoxy, or a heterocyclic group, the above groups being optionally substituted by halogen, R² is a hydrogen atom or lower alkyl, R³ is cyclo(lower)alkyl, aryl or ar(lower)alkyl, the above groups being

optionally substituted by halogen, A is -CO-, $-SO_2-$ or lower alkylene, X is N or CH, and Y is -CO-, $-SO_2-$ or -CONH-, a salt thereof, a prodrug thereof or a solvate thereof.

- 5 17. The method of claim 16, wherein the compound represented by the formula (I) is N-(4-acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate.
- 18. Use of a compound having a neurotrophic factor production

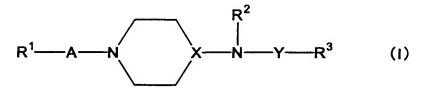
 10 accelerating activity for the production of an agent for the

 prophylaxis or treatment of a motor nervous system or peripheral

 nervous system disease.
- 19. The use of claim 18, wherein the motor nervous system or
 peripheral nervous system disease is selected from the group
 consisting of a peripheral nerve disorder (neuropathy, diabetic
 nervous disease), myelopathy, multiple sclerosis, amyotrophic
 lateral sclerosis (ALS), Guillain-Barre' syndrome, Huntington's
 chorea and neuropathic pain.

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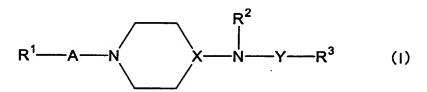
20. The use of claim 18 or 19, wherein the compound having a neurotrophic factor production accelerating activity is a compound represented by the following formula (I):



wherein R¹ is lower alkyl, aryl, ar(lower)alkoxy, or a heterocyclic group, the above groups being optionally substituted by halogen, R² is a hydrogen atom or lower alkyl, R³ is cyclo(lower)alkyl, aryl or ar(lower)alkyl, the above groups being optionally substituted by halogen, A is -CO-, -SO₂- or lower alkylene, X is N or CH, and Y is -CO-, -SO₂- or -CONH-, a salt thereof, a prodrug thereof or a solvate thereof.

- 21. The use of claim 20, wherein the compound represented by the formula (I) is N-(4-acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate.
- 22. A pharmaceutical composition for the prophylaxis or treatment of a motor nervous system or peripheral nervous system disease, which comprises a compound having a neurotrophic factor production accelerating activity and a pharmaceutically acceptable carrier.
- 23. The pharmaceutical composition of claim 22, wherein the motor nervous system or peripheral nervous system disease is selected from the group consisting of a peripheral nerve disorder

 15 (neuropathy, diabetic nervous disease), myelopathy, multiple sclerosis, amyotrophic lateral sclerosis (ALS), Guillain-Barre' syndrome, Huntington's chorea and neuropathic pain.
- 24. The pharmaceutical composition of claim 22 or 23, wherein the 20 compound having a neurotrophic factor production accelerating activity is a compound represented by the following formula (I):



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wherein R¹ is lower alkyl, aryl, ar(lower)alkoxy, or a heterocyclic group, the above groups being optionally substituted by halogen, R² is a hydrogen atom or lower alkyl, R³ is cyclo(lower)alkyl, aryl or ar(lower)alkyl, the above groups being optionally substituted by halogen, A is -CO-, -SO₂- or lower alkylene, X is N or CH, and Y is -CO-, -SO₂- or -CONH-, a salt thereof, a prodrug thereof or a solvate thereof.

25. The pharmaceutical composition of claim 24, wherein the

compound represented by the formula (I) is N-(4-acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate.

26. A commercial package comprising the pharmaceutical

5 composition of any of claims 22 to 25, and a written matter
associated therewith, the written matter stating that the
pharmaceutical composition can or should be used for the
prophylaxis or treatment of a motor nervous system or peripheral
nervous system disease.